Quiz 4 – Microeconomics – ECON 1B Summer Semester – Cabrillo College Dr. Robert McNab		Name:
		Score:
<u>INSTRUCTIONS:</u> Read each question carefully. Use the back of the quiz for extended answers.		
Assume that Macrosoft is the dominant firm in its industry and is able to prevent other firms from entering through a combination of practices. It can sell 1.5 million units of its software a month at a price of \$70 a unit. At a price of \$70 a unit and a quantity of 1.5 million units, its average total cost of production is \$30 per unit with an average fixed cost of \$10 per unit.		
1.	Calculate Total Revenue, Total Cost, and illustrate breaking even or shutting down. 3 points	te whether Macrosoft is earning a profit, loss,
2.	Assume the elasticity of income for Macrosoft's what will be the potential impact, all else being e	
Assume that diet cola is a normal good and in June 2001, a diet cola cost \$0.50 and 20 million units of diet cola were sold in California. In May 2001, a diet cola cost \$0.45 and 19.75 units were sold.		
4. drink point	What is the price elasticity of demand for diet co.  If the cross-price elasticity of diet cola is 1.25 wire declines by 5%, what is the impact, all else being ts	th diet orange drink, and the price of diet orange
5. rever	Should the diet cola producers lower price, assumue? Why or why not? 1 point	ning all else remaining equal, to increase total

- 1. TR = P \* Q = 105, TC = ATC \* Q = 45, Profit = 60...see illustration of monopolist making profit per class notes
- 2. If income increases 3 percent, quantity demanded will increase 4.5 percent (ey \* %changeY) due to the shift in the demand curve for the product
- 3. 0.11
- 4. 6.25% percent decrease
- 5. No, since Ep < 1, decreasing price will not increase TR